

FIG. 1A

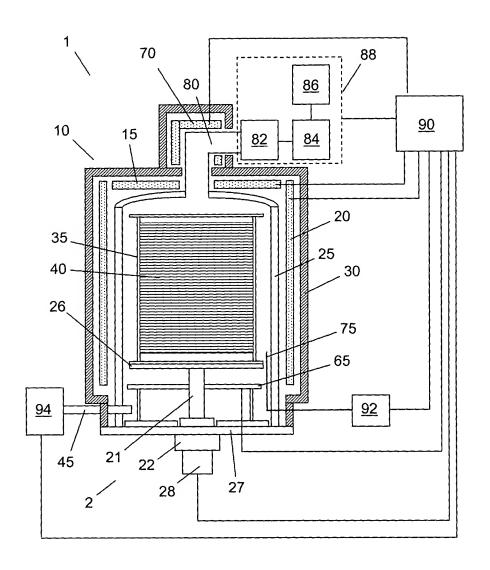


FIG. 1B

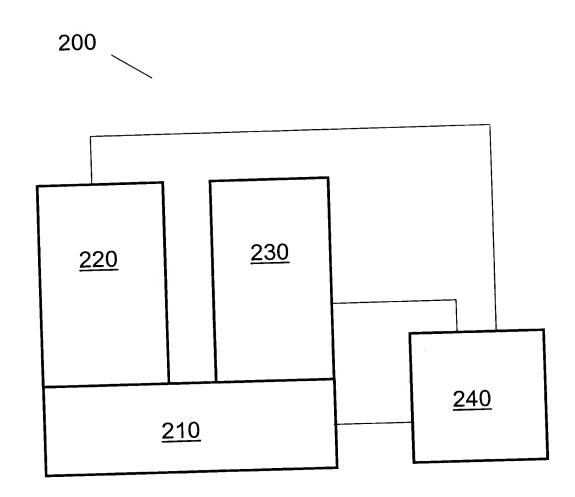


FIG. 2

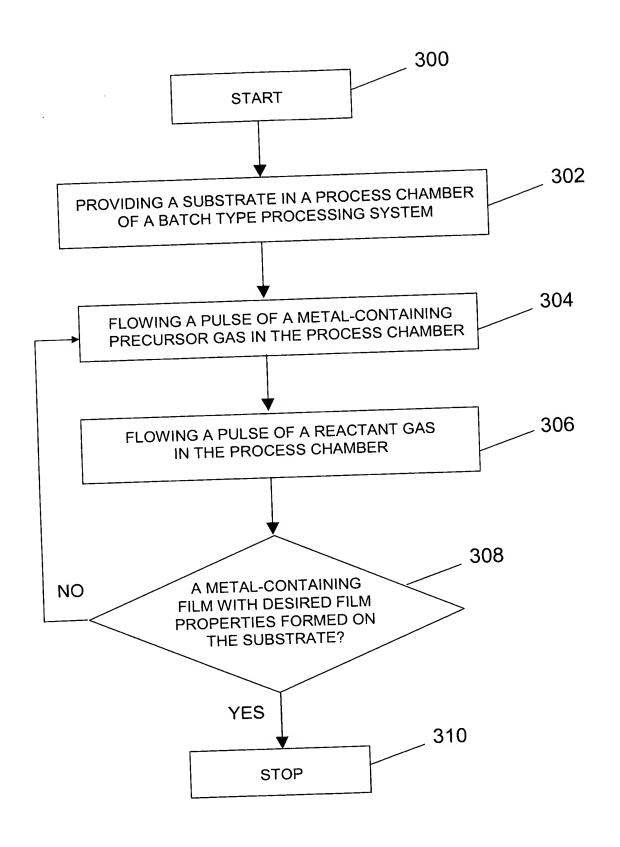
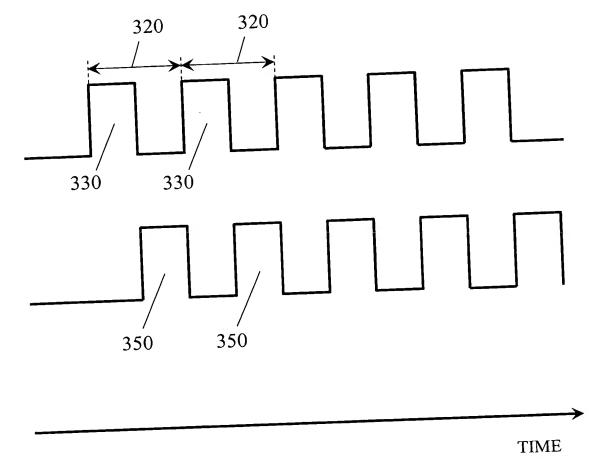


FIG. 3A



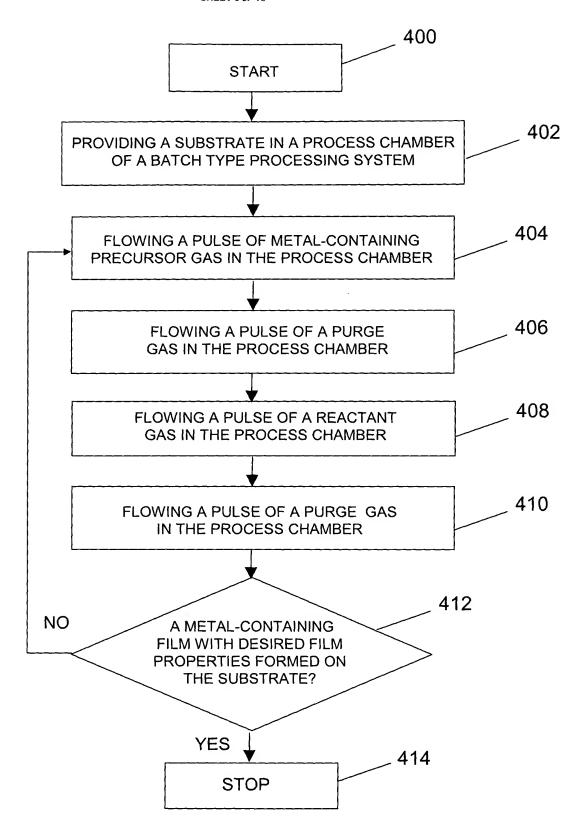


FIG. 4A

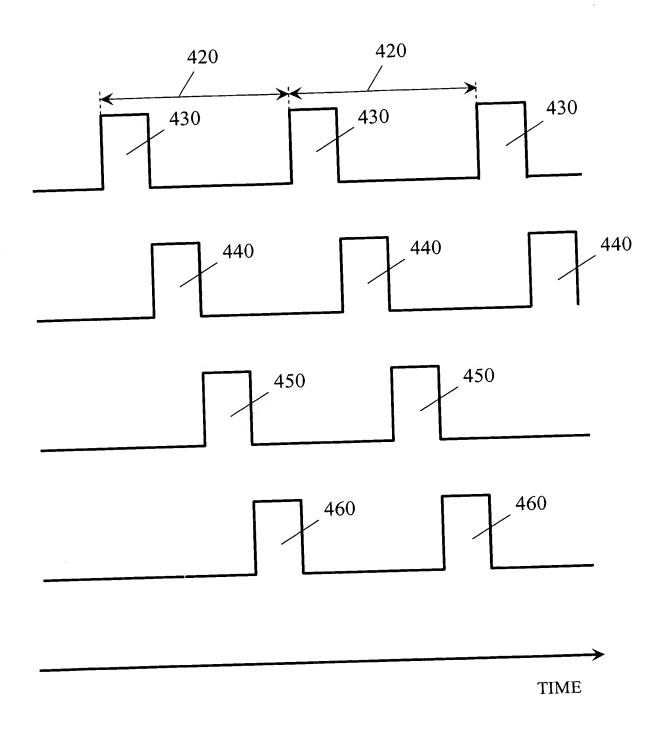


FIG. 4B

OBLON, SPIVAK, et al. DOCKET NO: 241482US6 YA INVENTOR: Anthony DIP et al. SHEET 8 of 18



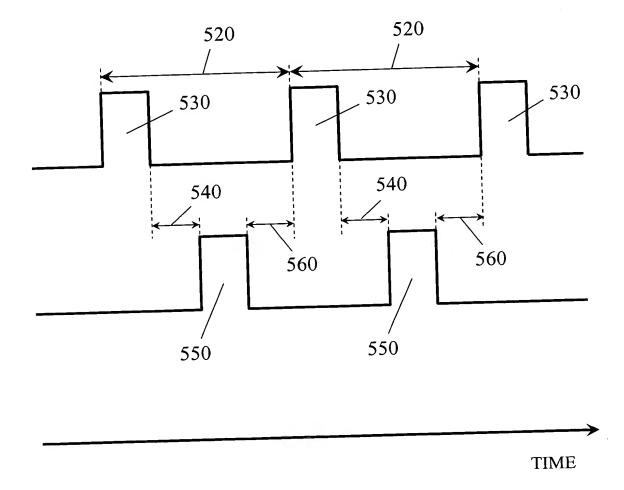


FIG. 5

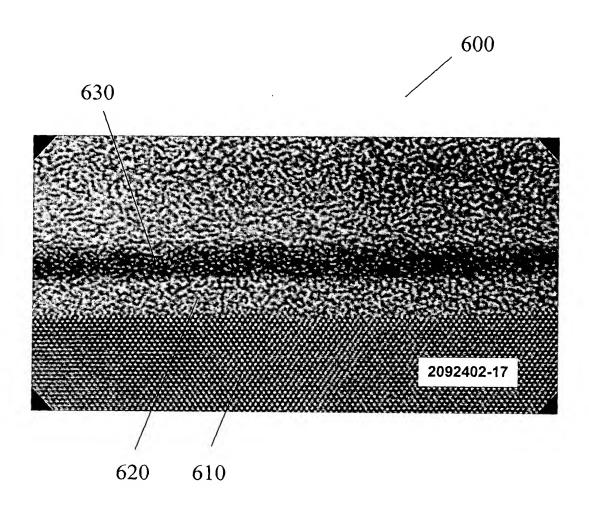
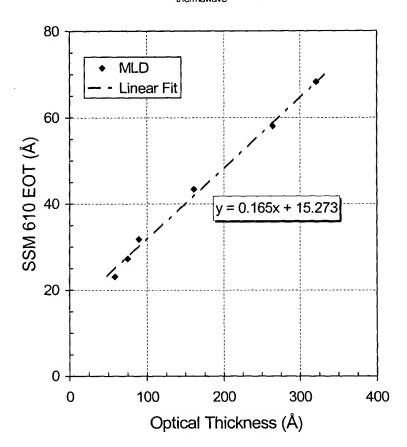


FIG. 6

 HfO_2 Metrology Comparison SSM 610 (EOT) vs. Thermawave Optiprobe $N_{thermawave} = 2.08$



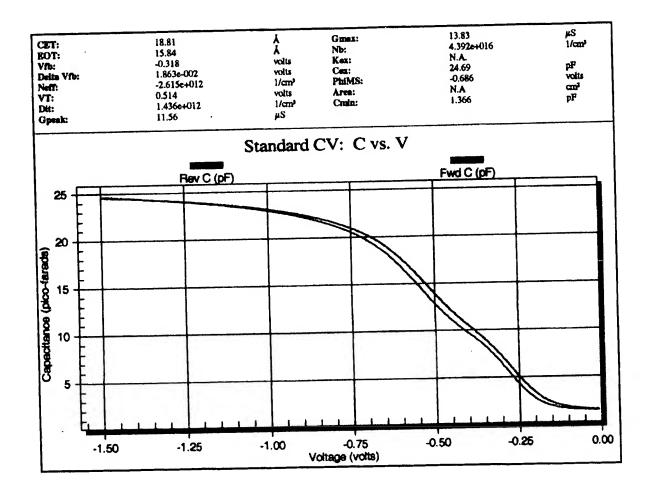


FIG. 8

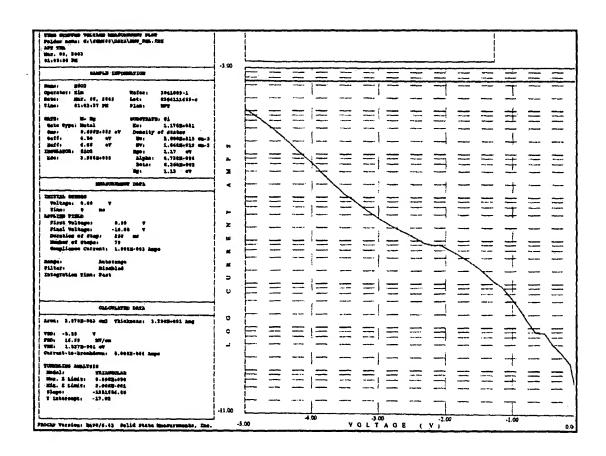


FIG. 9

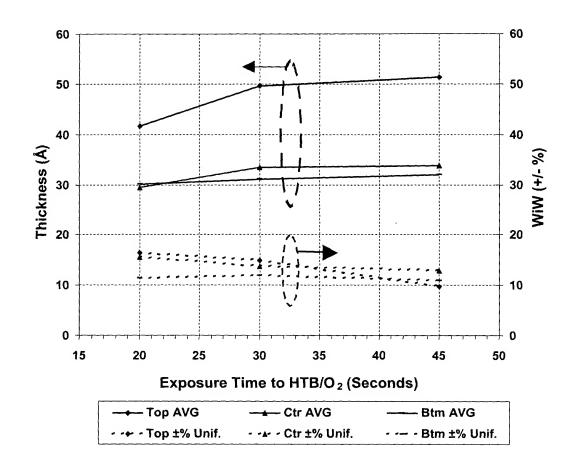


FIG. 10

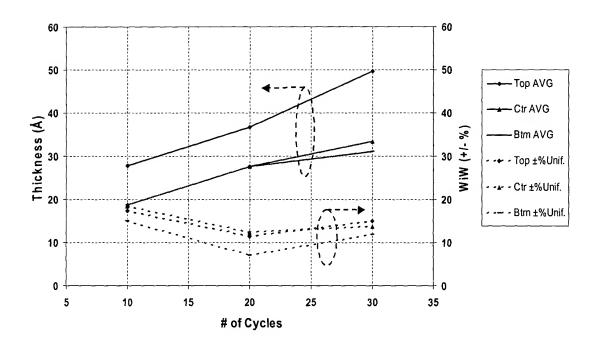


FIG. 11

MLD HfO $_2$ Deposition 0.3 Torr / 100 HTB / 1200 N $_2$ / 250 O $_2$ 1500 N $_2$ (sccm); 1 min exposure each

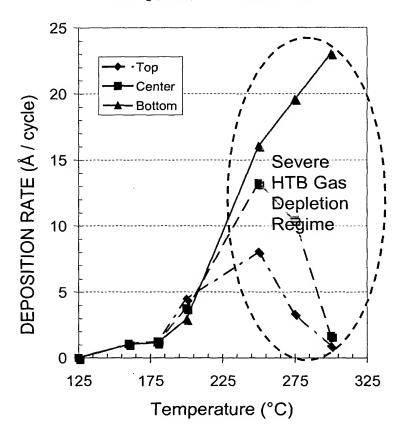


FIG. 12A

MLD HfO $_2$ Deposition 0.3 Torr / 100 HTB / 1200 N $_2$ / 250 O $_2$ 1500 N $_2$ (sccm); 1 min exposure each

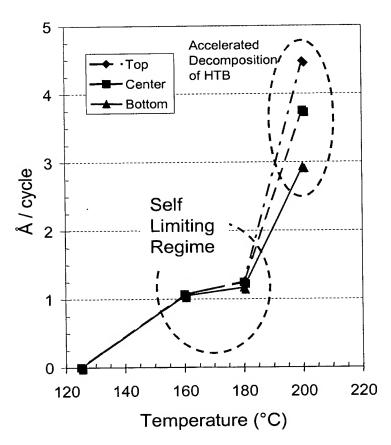
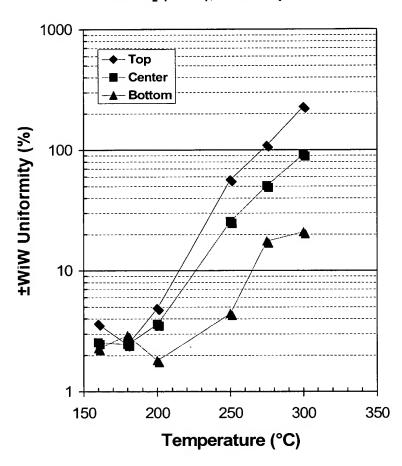


FIG. 12B

MLD HfO₂ Deposition 0.3 Torr / 100 HTB / 1200 N₂ / 250 O₂ 1500 N₂ (sccm); 1 min exposure each





ಕ್ರತ

